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BRUHATH BANGALORE MAHANAGARA PALIKE ,DASRAHALLI ZONE

Office Of The Executive Engineer, Dasarahalli Project Division

SCHEDULE-B

NAME OF THE WORK: Improvements Work At Mustering Center For Pourakarmika in Ward No.13

SI No	Description Of Work	Unit	Qty	Rate To Be Quoted	
				In Figures (Rs)	In Words (Rs)
1	2	3	4	5	6
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications	Cum	69.30	322.92	Rupees Three Hundred Twenty Two And Paise Ninety Two Only
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	4.32	5609.52	Rupees Five Thousand Six Hundred Nine And Paise Fifty Two Only
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	29.00	4963.68	Rupees Four Thousand Nine Hundred Sixty Three And Paise Sixty Eight Only
4	Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 Specification No. KBS 4.1, 4.6.	Cum	2.11	6528.60	Rupees Six Thousand Five Hundred Twenty Eight And Paise Sixty Only

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5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500	Tonne	0.21	76643.28	Rupees Seventy Six Thousand Six Hundred Forty Three And Paise Twenty Eight Only
6	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54 ((400x150x200mm)	Sqm	78.75	997.92	Rupees Nine Hundred Ninety Seven And Paise Ninety Two Only
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	9.67	5855.76	Rupees Five Thousand Eight Hundred Fifty Five And Paise Seventy Six Only
8	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications	Sqm	161.00	298.08	Rupees Two Hundred Ninety Eight And Paise Eight Only
9	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded with water for a minimum period of two weeks curing and final test including cost of materials labour complete as per specifications	Sqm	171.60	1073.52	Rupees One Thousand Seventy Three And Paise Fifty Two Only

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10	Providing and laying flooring using prepolished , water cut/ gang saw 19mm thick granite laid over existing floor in CM 1:4 at 20mm thick (average) and pointed with white/ grey pigment etc., complete	Sqm	182.44	2458.08	Rupees Two Thousand Four Hundred Fifty Eight And Paise Eight Only
11	Providing and applying painting two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specificationswith primer.	Sqm	278.31	97.20	Rupees Ninety Seven And Paise Twenty Only
12	Extra for providing and applying every subsequent coat of painting with plastic emulsion paint of approved brand and shadefor Item No.15-15.1 and 15.53 cost of materials, labour complete as per specifications	Sqm	278.31	39.96	Rupees Thirty Nine And Paise Ninety Six Only
13	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior apex paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer-in-charge of the work.	Sqm	302.42	474.12	Rupees Four Hundred Seventy Four And Paise Twelve Only
14	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios	Sqm	3.15	54.00	Rupees Fifty Four Only
15	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications	Sqm	3.15	104.76	Rupees One Hundred Four And Paise Seventy Six Only

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16	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.	Sqm	12.02	44.28	Rupees Forty Four And Paise Twenty Eight Only
17	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	12.02	102.60	Rupees One Hundred Two And Paise Sixty Only
18	Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12 - 15 microns.	Sqm	4.48	6621.48	Rupees Six Thousand Six Hundred Twenty One And Paise Forty Eight Only

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19	...ricating, supplying & erecting M.S. angular Truss ...u all spans as per approved designs and drawing. The centre truss is anchored suitably by using 4 No's of M.S anchor Bolts at each Supports, with base plate and shoe plate. The work including cutting, straightening, placing in position of M.s Angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all mayterials, labour charges, & hire charges of machineries for cutting, welding, grinding, & erection equipments, etc,complete as per specification	Kg	1350.34	138.24	Rupees One Hundred Thirty Eight And Paise Twenty Four Only
20	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.	Sqm	40.00	743.04	Rupees Seven Hundred Forty Three And Paise Four Only
21	Providing and fixing PVC Hollow Door Frame of the size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet, mitre cut at two corners and joined with 2 No.s of 150mm long brackets of 15 x 15mm M.S Square tube. The two vertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 guage, EPDM rubber gasket weather seal to be provided through out the frame. The door screws through the frame by using PVC fasteners. A minimum of 4 Nos. of screws to be provided for each vertical member & minimum 2 Nos. for horizontal member.	Mtr	16.80	388.80	Rupees Three Hundred Eighty Eight And Paise Eighty Only
22	"SOLID PANEL PRELAM PVC DOOR SHUTTER" Providing and fixing 30MM thick factory made rigid foam with both side Prelam Panelled Door Shutters made from M.S. tube of 19 x 19mm, 19 gauge for styles and 15 x 15mm for top & bottom rails, covered with heat moulded Prelaminated PVC 'C' Channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S Frams, Sealed to the styles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm. Aluminium hinges.	Sqm	4.41	4045.68	Rupees Four Thousand Forty Five And Paise Sixty Eight Only
23	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes.	Mtr	100.00	211.68	Rupees Two Hundred Eleven And Paise Sixty Eight Only

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24	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 20mm nominal OD pipes.	Mtr	30.00	169.56	Rupees One Hundred Sixty Nine And Paise Fifty Six Only
25	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 200mm outer dia	Mtr	50.00	1706.40	Rupees One Thousand Seven Hundred Six And Paise Forty Only
26	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 160mm outer dia	Mtr	45.00	1352.16	Rupees One Thousand Three Hundred Fifty Two And Paise Sixteen Only
27	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with 110mm outer dia	Mtr	6.00	654.48	Rupees Six Hundred Fifty Four And Paise Forty Eight Only
28	Bib cock 25mm nominal bore-NP	Each	5.00	201.36	Rupees Two Hundred One And Paise Thirty Six Only
29	Gate value 50mm nominal bore-gun metal	Each	4.00	1510.17	Rupees One Thousand Five Hundred Ten And Paise Seventeen Only
30	Providing and fixing on wall surface 2.5kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications.	Mtr	14.80	466.56	Rupees Four Hundred Sixty Six And Paise Fifty Six Only
31	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.	No's	2.00	7374.24	Rupees Seven Thousand Three Hundred Seventy Four And Paise Twenty Four Only

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32	Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low lavel, PVC flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Pan	3.00	3786.48	Rupees Three Thousand Seven Hundred Eighty Six And Paise Forty Eight Only
33	Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications	Pan	2.00	3400.92	Rupees Three Thousand Four Hundred And Paise Ninety Two Only
34	Providing and fixing C. I. Manhole cover with frames 600 x 600 mm size (40 kgs)	Each	1.00	3527.28	Rupees Three Thousand Five Hundred Twenty Seven And Paise Twenty Eight Only
35	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms	Each	4.00	270.00	Rupees Two Hundred Seventy Only
36	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 50mm dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cage submercible induction motor suitable for operation of 3Ph open well, supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 2HP/1.5KW	Each	1.00	13126.32	Rupees Thirteen Thousand One Hundred Twenty Six And Paise Thirty Two Only
37	Rectangalur shape mirror of size 1500x450mm with plastic moulded frame	Each	2.00	1006.56	Rupees One Thousand Six And Paise Fifty Six Only

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	...cluding Electrical facility including fixtures, fittings ...and labour charges etc., complete	L/S	1.00	250000.00	Rupees Two Lakh(s) Fifty Thousand Only
39	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.	Cum	3.88	207.60	Rupees Two Hundred Seven And Paise Sixty Only
40	Stone dust / Grit	Cum	13.50	1060.00	Rupees One Thousand Sixty Only
41	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 32mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	Mtr	100.00	136.74	Rupees One Hundred Thirty Six And Paise Seventy Four Only
42	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	2.91	5505.64	Rupees Five Thousand Five Hundred Five And Paise Sixty Four Only
43	Providing and fixing Pre cast solid concrete kerb stones made out of CC1:2:4 and finished with CM 1:3 plastering and finishing cutting etc - do - of size 450 x 200 x 400 mm	No's	216.00	477.00	Rupees Four Hundred Seventy Seven Only
44	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sqm	38.80	39.22	Rupees Thirty Nine And Paise Twenty Two Only
45	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications	Sqm	38.80	84.80	Rupees Eighty Four And Paise Eighty Only
46	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification	Cum	40.50	217.08	Rupees Two Hundred Seventeen And Paise Eight Only

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